

Form PTO-1449 (modified)

Atty. Docket No.
11181.0027.NPUS00Serial No.
09/820,053

List of Patents and Publications for Applicant's

Applicant
Donald R. Owen

INFORMATION DISCLOSURE STATEMENT

APR 04 2003

(Use several sheets if necessary)

Filing Date:
March 28, 2001Group:
1646

U.S. Patent Documents

N/A

Foreign Patent Documents

N/A

Other Art

See Page 1

Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation |
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| SS | C1 | Bessalle, et al., "Structure-Function Studies of Amphiphilic Antibacterial Peptides," J. Med. Chem., 1993, 36:1203-1209. |
| SS | C2 | Oh, J.E., et al., "Design, Synthesis and Characterization - (A Model Decapeptide)," J. Peptide Res., 1999, 54:129-136. |
| | C3 | |
| | C4 | |
| | C5 | |
| | C6 | |
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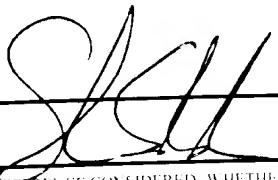
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INFORMATION DISCLOSURE STATEMENT -- PTO-1449 (MODIFIED)

Form PTO-1449 (modified)

Atty. Docket No. 11181.0027.NPUS00 Serial No. 09/820,053

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

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Applicant
Donald R. Owen

Filing Date: March 28, 2001 Group: 1646

U.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 2Other Art
See Page 2

Foreign Patent Documents

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| SS | C1 | Form PCT/ISA/220 International Search Report dated October 3, 2002 |
| SS | C2 | Zboinska et al. Antibacterial activity of phosphono dipeptides based on 1-amino-1-methylethanephosphonic acid. FEMS Microbiology Letters. 1990. Vol 70, pages 23-28, especially pages 23 and 25-27. |
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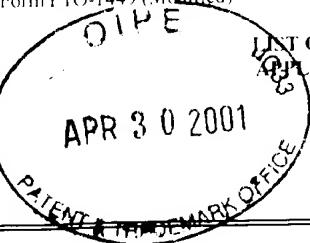
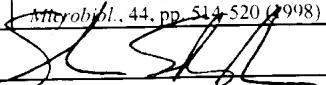
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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

| Form PTO-1449 (Modified)  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | | Atty. Docket No. 068370.0104 | Serial No. 09,820,053 | |
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| | | | | | Applicant: Owen | | |
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| REFERENCE DESIGNATION U.S. PATENT DOCUMENTS | | | | | | | |
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| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| SS | AA | Epand et al, "Diversity of antimicrobial peptides and their mechanisms of action," <i>Biochimica et Biophysica Acta</i> 1462, pp. 11-28 (1999) | | | | | |
| | AB | Dathe et al, "Structural features of helical antimicrobial peptides: their potential to modulate activity on model membranes and biological cells," <i>Biochimica et Biophysica Acta</i> 1462, pp. 71-87 (1999) | | | | | |
| | AC | Jia et al, "Antimicrobial Peptides Protect Coho Salmon from <i>Vibrio anguillarum</i> Infections," <i>Applied and Environmental Microbiology</i> , Vol. 66, No. 5, pp. 1928-1932 (May 2000) | | | | | |
| | AD | Wang et al, "The effect of pH on the structure, binding and model membrane lysis by cecropin B and analogs," <i>Biochimica et Biophysica Acta</i> 1473, pp. 418-430 (1999) | | | | | |
| | AE | Osapay et al, "Formation and Characterization of a Single Trp-Trp Cross-link in Indolicidin that Confers Protease Stability without Altering Antimicrobial Activity," <i>The Journal of Biological Chemistry</i> , Vol. 275, No. 16, pp. 12017-12022 (4/21/00) | | | | | |
| | AF | Shin et al, "Effects of the hinge region of cecropin A(1-8)-magainin 2(1-12), a synthetic antimicrobial peptide, on liposomes, bacterial and tumor cells," <i>Biochimica et Biophysica Acta</i> 1463, pp. 209-218 (2000) | | | | | |
| | AG | Rocca et al, "Simulation studies of the interaction of antimicrobial peptides and lipid bilayers," <i>Biochimica et Biophysica Acta</i> 1462, pp. 185-200 (1999) | | | | | |
| | AH | Blondelle et al, "Lipid-induced conformation and lipid-binding properties of cytolytic and antimicrobial peptides: determination and biological specificity," <i>Biochimica et Biophysica Acta</i> 1462, pp. 89-108 (1999) | | | | | |
| | AI | Giacometti et al, "Antimicrobial activity of polycationic peptides," <i>Peptides</i> 20, pp. 1265-1273 (1999) | | | | | |
| | AJ | Baghian et al, "An Amphipathic α Helical Synthetic Peptide Analogue of Melittin Inhibits Herpes Simplex Virus-1 (HSV-1)-Induced Cell Fusion and Virus Spread," <i>Peptides</i> , Vol. 18, No. 2, pp. 177-183 (1997) | | | | | |
| | AK | Wu et al, "Improved Derivatives of Bactenecin, a Cyclic Dodecameric Antimicrobial Cationic Peptide," <i>Antimicrobial Agents and Chemotherapy</i> , pp. 1274-1276 (May 1999) | | | | | |
| | AL | Oh et al, "Activities of Synthetic Hybrid Peptides against Anaerobic Bacteria: Aspects of Methodology and Stability," <i>Antimicrobial Agents and Chemotherapy</i> , pp. 68-72 (Jan. 2000) | | | | | |
| | AM | Silvestro, et al, "Antibacterial and Antimembrane Activities of Cecropin A in <i>Escherichia coli</i> ," <i>Antimicrobial Agents and Chemotherapy</i> , pp. 602-607 (March 2000) | | | | | |
| | AN | Hancock, et al, "Peptide Antibiotics," <i>Antimicrobial Agents and Chemotherapy</i> , pp. 1317-1323 (June 1999) | | | | | |
| | AO | Schwab, et al, "In vitro Activities of Designated Antimicrobial Peptides against Multidrug-Resistant Cystic Fibrosis Pathogens," <i>Antimicrobial Agents and Chemotherapy</i> , pp. 1435-1440 (June 1999) | | | | | |
| | AP | Friedrich, et al, "Salt-Resistant Alpha-Helical Cationic Antimicrobial Peptides," <i>Antimicrobial Agents and Chemotherapy</i> , pp. 1542-1548 (July 1999) | | | | | |
| | AQ | Goraya, et al, "Peptides with antimicrobial activity from four different families isolated from the skins of the North American Frogs <i>Rana luteiventris</i> , <i>Rana berlandieri</i> and <i>Rana pipiens</i> ," <i>Eur. J. Biochem</i> 267, pp. 894-900 (2000) | | | | | |
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| EXAMINER  | | | | | DATE CONSIDERED <i>8/26/03</i> | | |
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Atty. Docket No.
068370.0104Serial No.
09/820,053O I P E
APR 30 2001
SC 23LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

Applicant: Owen

Filing Date
March 28, 2001

Group

PATENT & TRADEMARK OFFICE
REFERENCE & CITATION

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE IF APPROPRIATE |
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FOREIGN PATENT DOCUMENTS

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

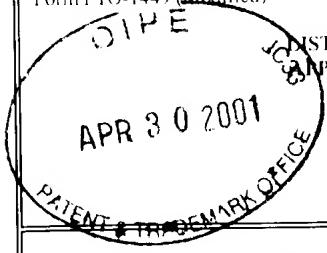
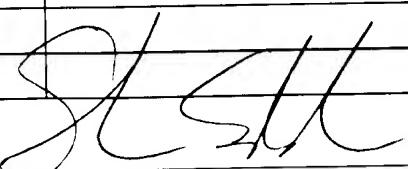
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| | AT | Hung, et al, "Membrane Lysis by the Antibacterial Peptides on Cecropins B1 and B3: A Spin-Label Electron Spin Resonance Study on Phospholipid Bilayers," <i>Biophysical Journal</i> , Vol. 77, pp. 3120-3233 (December 1999) |
| | AU | Robertson, et al, "Peptidyl membrane-interactive molecules are cytotoxic to prostatic cancer cells in vitro," <i>World J Urol</i> 16, pp. 405-409 (1998) |
| | AV | Martin, et al, "Evaluation of the effect of peptidyl membrane-interactive molecules on avian coccidia," <i>Parasitol Res</i> 85, pp. 331-336 (1999) |
| | AW | Giacometti, et al, "In-vitro activity of cationic peptides alone and in combination with clinically used antimicrobial agents against <i>Pseudomonas aeruginosa</i> ," <i>Journal of Antimicrobial Chemotherapy</i> 44, pp. 641-645 (1999) |
| | AX | Oh, et al, "Cationic peptide antimicrobials induce selective transcription of <i>micF</i> and <i>osmY</i> in <i>Escherichia coli</i> ," <i>Biochimica et Biophysica Acta</i> 1463, pp. 43-54 (2000) |
| | AY | Scott, et al, "Biological Properties of Structurally Related α -Helical Cationic Antimicrobial Peptides," <i>Infection and Immunity</i> , Vol. 67, No. 4, pp. 2005-2009 (1999) |
| | AZ | Scott, et al, "Cutting Edge: Cationic Antimicrobial Peptides Block the Binding of Lipopolysaccharide (LPS) to LPS Binding Protein," <i>The Journal of Immunology</i> , pp. 549-553 (2000) |
| | BA | Zhang, et al, "Influence of Proline Residues on the Antibacterial and Synergistic Activities of α -Helical Peptides," <i>Biochemistry</i> 38, pp. 8102-8111 (1999) |
| | BB | Wu, et al, "Mechanism of Interaction of Different Classes of Cationic Antimicrobial Peptides with Planar Bilayers and with the Cytoplasmic Membrane of <i>Escherichia coli</i> ," <i>Biochemistry</i> 38, pp. 7235-7242 (1999) |
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| | BD | Kondejewski, et al, "Dissociation of Antimicrobial and Hemolytic Activities in Cyclic Peptide Diastereomers by Systematic Alterations in Amphipathicity," <i>The Journal of Biological Chemistry</i> , Vol. 274, No. 19, pp. 13181-13192 (May 7, 1999) |
| | BE | Zhang, et al, "Determinants of Recombinant Production of Antimicrobial Cationic Peptides and Creation of Peptide Variants in Bacteria," <i>Biochemical and Biophysical Research Communications</i> 247, pp. 674-680 (1998) |
| | BF | Hancock, "Host Defence (Cationic) Peptides. What Is Their Future Clinical Potential?" <i>Drugs</i> (4), pp. 469-473 (April 1999) |
| | BG | Shin, et al, "Structure-antibacterial, antitumor and hemolytic activity relationships of cecropin A-magainin 2 and cecropin A-melittin hybrid peptides," <i>J. Peptide Res.</i> 53, pp. 82-90 (1999) |
| | BH | Juvvadi, et al, "Structure-activity studies of normal and retro pig cecropin-melittin hybrids," <i>J. Peptide Res.</i> 53, pp. 244-251 (1999) |
| SS | BI | Dashay, et al, "Two <i>attacin</i> antibacterial genes of <i>Drosophila melanogaster</i> ," <i>Gene</i> 246, pp. 49-57 (2000) |

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| | BK | Ekengren, et al, "Drosophila cecropin as an antifungal agent," <i>Insect Biochemistry and Molecular Biology</i> 29, pp. 965-972 (1999) | | | | | |
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| | BM | Reed, et al, "Interleukin 2 promoter/enhancer controlled expression of a synthetic cecropin-class lytic peptide in transgenic mice and subsequent resistance to <i>Brucella abortus</i> ," <i>Transgenic Research</i> 6, pp. 337-347 (1997) | | | | | |
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| SS | BO | McInnes, et al., "Development of the Structural Basis for Antimicrobial and Hemolytic Activities of Peptides Based on Gramicidin S and Design of Novel Analogs Using NMR Spectroscopy," <i>The Journal of Biological Chemistry</i> , Vol. 275, No. 19, pp. 14287-14294 (May 2000) | | | | | |
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